CLIENT: DWAF

PROJECT: MCWAP - Phase 1A SITE: Mokolo Dam Pumpstation **HOLE NO: PH01**

X COORD: 2,653,346 Y COORD: WG27 -73,099

ELEVATION:

PAGE 1 of 1

Core size	% Mat.	% Core recov.	RQD %	No. of fract.	SPT- N value	Water	Sample		Legend	Depth (m)	Description
								_		0.0	Ground Surface
S/B	23	n/a	n/a	n/a				-			Soft to medium hard rock SANDSTONE. Purple and pink banded, highly to moderately
S/B	37	n/a	n/a	n/a	v ²			1-		1.2	weathered, thinly bedded, highly fractured, fine to medium grained. Waterberg Group.
S/B	83	n/a	n/a	n/a				٦			Hard rock SANDSTONE.
TNW	100	100	30	9				2-			Pink and purple banded, unweathered, thinly bedded, moderatey to slightly ocasionally highly fractured, fine to medium grained. Waterberg Group.
TNW	100	100	0	19				- 3-			Group.
TNW	100	100	80	8				- - 4-			
TNW	98	98	50	5				5-			at a
TNW	100	100	100	1]			
TNW	98	98	55	8				6-		6.7	
								7- 8- 9-		6.7	Borehole terminated at required depth.

NOTES 1: Water at 5.10m

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CONTRACTOR: Weppelmann Drilling

MACHINE: D90R

INCLINATION: Vertical

DRILLING DATE: 17 April 2009

DATE LOGGED: 22 April 2009

LOGGED BY: rr

FILE REF: J4210\3 Working\Mokolo Phase 1A\Drilling and கமைந்தை நடித்த 0 k



CLIENT: DWAF

PROJECT: MCWAP - Phase 1A

SITE: Mokolo Dam Pumpstation

HOLE NO: PH02

X COORD:

2,653,383

Y COORD: WG27 -73,130 **ELEVATION:**

PAGE 1 of 1

Core size	% Mat. recov.	% Core recov.	RQD %	No. of fract.	SPT- N value	Water	Sample		Legend	Depth (m)	Description
										0.0	Ground Surface
S/B	18	n/a n/a	n/a n/a	n/a n/a	,			- - 1-		1.5	Medium hard rock SANDSTONE. Purple and pink banded, moderately to slightly weathered, thinly bedded, highly fractured, fine to medium grained. Waterberg Group.
TNW	100	100	70	9				2-			Hard rock SANDSTONE. Pink and purple banded, unweathered, thinly bedded, moderatey fractured, fine to medium grained. Waterberg Group.
TNW	98	98	90	5				3- - - 4-			
TNW	92	92	65	8				5-		5.8	uv.
								6- - 7- - 8- 8- 9- 10-			Borehole terminated at required depth.

NOTES 1: Water at 5.20m

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CONTRACTOR: Weppelmann Drilling

MACHINE: D90R

INCLINATION: Vertical

DRILLING DATE: 16 April 2009

DATE LOGGED: 22 April 2009

LOGGED BY: rr
FILE REF: J4210\3 Working\Mokolo Phase 1A\Drilling and Status Ends | Jage 0 K | ERES



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template:

CLIENT: DWAF

PROJECT: MCWAP - Phase 1A SITE: Mokolo Dam Pumpstation **HOLE NO: PH03**

X COORD: 2,653,432 Y COORD: WG27 -73,107

ELEVATION:

PAGE 1 of 1

_											FAGE TOLL
Core	% Mat.	% Core	RQD %	No. of fract.	SPT- N value	Water	Sample		Legend	Depth (m)	Description
		<u> </u>						0-		0.0	Ground Surface
S/B	w	n/a	n/a	n/a				-		0.6	Loose? silty gravelly SAND. Brown, transported.
S/B	27	n/a	n/a	n/a	.,4			1-		1.3	Soft to medium hard rock SANDSTONE. Pink and purple banded, moderately weathered, thinly bedded, highly fractured, fine to medium grained. Waterberg Group.
TNW	38	30	15	7				2- - -			Hard rock SANDSTONE. Pink and purple banded, unweathered (completely weathered 3.16-3.40m), thinly bedded, moderately to slightly occasionally highy fractured, fine to
TNW	67	65	45	4				3-			medium grained. Waterberg Group.
TNW	100	100	90	5				4-			
TNW	100	100	90	8				5- - - 6-			**
TNW	98	98	50	4				Ĭ		6.5	
								7- - 8- - 9- 10-		0.3	Borehole terminated at required depth.

NOTES 1: Nil water

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CONTRACTOR: Weppelmann Drilling

MACHINE: D90R

INCLINATION: Vertical

DRILLING DATE: 16 April 2009

DATE LOGGED: 22 April 2009

LOGGED BY: rr

FILE REF: J4210\3 Working\Mokolo Phase 1A\Drilling and安亚亚科岛阿里姆岛西哥山麓



CLIENT: DWAF

PROJECT: MCWAP - Phase 1A SITE: Mokolo Dam Pumpstation **HOLE NO: PH04**

X COORD: Y COORD: WG27

2,653,421 -73,119

ELEVATION:

PAGE 1 of 1

											PAGETOIT
Core size	% Mat. recov.	% Core recov.	RQD %	No. of fract.	SPT- N value	Water	Sample		Legend	Depth (m)	Description
								0		0.0	Ground Surface
S/B	28	n/a	n/a	n/a				-			Soft to medium hard rock SANDSTONE.
S/B	55	n/a	n/a	n/a	,ť			_			Pink and purple banded, highly to moderately weathered, thinly bedded, highly fractured, fine to medium grained. Waterberg Group.
S/B	62	n/a	n/a	n/a				-			grand grand and the grand gran
TNW	56	56	0	4				_		1.8	
TNW	78	78	45	10				2- - - -			Hard rock SANDSTONE. Pink and purple banded, unweathered (brown clay encountered 3.53 - 3.71m), thinly bedded, moderately to slightly occasionally highy fractured, fine to medium grained. Waterberg Group.
TNW	100	76	45	4				3-			ine to medium granied. Waterberg Group.
TNW	72	72	40	8				4- - - -			
TNW	94	94	0	8				5-			w [†]
TNW	95	95	60	9				6-		6.3	
								7- 8- 9-			Borehole terminated at required depth.

NOTES 1: Water at 3.80m

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CONTRACTOR: Weppelmann Drilling

MACHINE: D90R

INCLINATION: Vertical

DRILLING DATE: 19 April 2009

DATE LOGGED: 22 April 2009

LOGGED BY: rr

FILE REF: J4210\3 Working\Mokolo Phase 1A\Drilling and கண்கண்டு அதுள்ளது.





CLIENT: DWAF

PROJECT: MCWAP Phase 1A, Northern leg

CLIENT NO:

SITE:

KILOMETRE:

HOLE NO: 7-01

X COORD:

X COORD: 2,620,956 Y COORD: WG27 -63,042 **ELEVATION:**

PAGE 1 of 1

<u> </u>		-									
Core	% Mat.	% Core recov.	RQD %	No. of fract.	SPT- N value	Water	Sample		Legend	Depth (m)	Description
								_0		0.0	Ground Surface
TNW	53	na	па	na	٧.			-		0.9	Clayey silty SAND Brown, transported
TNW	25 100	na	na	na				1- - -	000000	1.7	CALCRETE Recovered as gravel and cobbles
TNW	96	93	52	12				2- - -		1.7	Strongly to very strongly cemented CALCRETE Hardpan. Disintegrated section 2.60-2.65m.
TNW	99	99	74	10				3- - - 4-		4.4	
TNW	79	79	0	7				5-		5.1	Weakly cemented CALCRETE Hardpan. Occasionally very weakly cemented.
			İ				1	4			Hole stopped at required depth
								6- - 7- - 8-			End of Log

NOTES 1:

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CONTRACTOR: Weppelmann Geotechnical Drilling

MACHINE: D90R

INCLINATION: Vertical

FILE REF:

DRILLING DATE: 22 May 2009

DATE LOGGED: 26 May 2009

LOGGED BY: rr/ajs

PROJECT NUMBER: J4210-1 SABS





CLIENT: DWAF

PROJECT: MCWAP Phase 1A, Western leg

CLIENT NO: SITE:

KILOMETRE:

HOLE NO: 25A-01

X COORD: 2,622,400 Y COORD: WG27 -35,410

ELEVATION:

PAGE 1 of 1

Core size	% Mat. recov.	% Core recov.	RQD %	No. of fract.	SPT- N value	Water	Sample		Legend	Depth (m)	Description
								-0-		0.0	Ground Surface
TNW	34	na	na	na	v.			- - -		0.9	Silty SAND Brown, transported.
TNW	100	100	63	3				1-			Very strong to strongly cemented CALCRETE
TNW	100	92	24	7				-		1.7	Hardpan
TNW	56	na	na	na				2-	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3.0	Weakly cemented CALCRETE Hardpan, mostly disintegrated.
TNW		67	1	16				3- -		3.8	Very soft to soft rock SANDSTONE Moderately to highly weathered, brown, thinly bedded, highly spaced, filled, horizontal, rough discontinuities, fine to medium grained
	73							4-			Soft to medium hard rock SANDSTONE Unweathered, light brown, thinly bedded, highly spaced, clean, generally horizontal, slightly rough
TNW	100	97	59	8				- 5–		5.1	discontinuities, fine to medium grained.
								-			Hole stopped at required depth
								6- - 7- - 8-			End of Log

NOTES 1:

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CONTRACTOR: Weppelmann Geotechnical Drilling

MACHINE: D90R

INCLINATION: Vertical

FILE REF:

DRILLING DATE: 21 May 2009

DATE LOGGED: 26 May 2009

LOGGED BY: rr/ajs

PROJECT NUMBER: J4210-1 SRBS





CLIENT: DWAF

PROJECT: MCWAP Phase 1A, Western leg

CLIENT NO: SITE:

KILOMETRE:

HOLE NO: 25C-01

X COORD: 2,623,350 Y COORD: WG27 -33,225

ELEVATION:

PAGE 1 of 1

Core size	% Mat. recov.	% Core recov.	RQD %	No. of fract.	SPT- N value	Water	Sample		Legend	Depth (m)	Description
								-0		0.0	Ground Surface
TNW	53	na	na	па	٧.			- - -			Silty SAND Red/brown, transported. Occasionaly clayey.
TNW	60	na	па	na				1- - -			
	s	Р	Т		16			- 2-			
NWD4	67	na	na	na				-		3.0	
	S	Р	Т		R			3-			Cemented occasionaly strongly cemented
NWD4	45	na	na	na				-			FERRICRETE Nodular. Recovered as gravel and occasional cobbles.
TNW	24	na	па	na				4-		47	91
TNW	100	79	0	8				5-		4.7 4.9 5.1	Very soft rock SANDSTONE Highly weathered, light brown/grey, thinly bedded,
								6- - 7- - 8-			highly fractured, filled, horizontal, rough discontinuities, fine to medium grained. With much ferricrete nodules. Soft rock SANDSTONE Unweathered, light brown, thinly bedded, highly fractured, clean, horizontal, slightly rough discontinuities, fine to medium grained. With much ferricrete. Hole stopped at required depth End of Log

NOTES 1:

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CONTRACTOR: Weppelmann Geotechnical Drilling

MACHINE: D90R

INCLINATION: Vertical

FILE REF:

DRILLING DATE: 21 May 2009

DATE LOGGED: 26 May 2009

LOGGED BY: rr/ajs

PROJECT NUMBER: J4210-1 SABS



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